ABSTRACT

An electric motor includes a motor casing, a stator assembly, a rotor shaft assembly, first and second end bells, respectively, attached to each end of the motor casing, and an electrical inlet in the motor casing for supplying power to the motor. The motor further includes a first bearing assembly housed in the first end bell and a second bearing assembly housed in the second end bell. Both bearing assemblies and support the rotor shaft assembly and seal the interior of the motor casing from moisture. The motor also includes a heat-conductive solid resin that encapsulates the stator assembly.